

1259376\_1.TXT  
SEQUENCE LISTING

```

<110>  Humphreys, David P
      . Heywood, Sam P

<120>  Modified antibody fab fragments

<130>  07-1049-WO-US

<140>  US 10/562,746
<141>  2006-06-16

<150>  PCT/GB04/002810
<151>  2004-07-01

<150>  GB 0319588.0
<151>  2003-08-20

<150>  GB 0315457.2
<151>  2003-07-01

<160>  9

<170>  PatentIn version 3.5

<210>  1
<211>  103
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  synthetic

<400>  1

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
 1          5          10          15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20          25          30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
 35          40          45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
 50          55          60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65          70          75          80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85          90          95

Lys Val Glu Pro Lys Ser Cys
 100

```

## 1259376\_1.TXT

<210> 2  
 <211> 108  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> synthetic

<400> 2

Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp  
 1 5 10 15

Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn  
 20 25 30

Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu  
 35 40 45

Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp  
 50 55 60

Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr  
 65 70 75 80

Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser  
 85 90 95

Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys  
 100 105

<210> 3  
 <211> 101  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 3

Lys Thr Thr Pro Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala  
 1 5 10 15

Gln Thr Asn Ser Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe  
 20 25 30

Pro Glu Pro Val Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly  
 35 40 45

Val His Thr Phe Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser  
 50 55 60

1259376\_1.TXT

Ser Ser Val Thr Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val Thr  
65 70 75 80

Cys Asn Val Ala His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile  
85 90 95

Val Pro Arg Asp Cys  
100

<210> 4  
<211> 105  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 4

Asp Ala Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu  
1 5 10 15

Thr Ser Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro  
20 25 30

Lys Asp Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn  
35 40 45

Gly Val Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr  
50 55 60

Ser Met Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His  
65 70 75 80

Asn Ser Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile  
85 90 95

Val Lys Ser Phe Asn Arg Gly Glu Cys  
100 105

<210> 5  
<211> 312  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic

<400> 5

gcttctacaa agggcccatc ggtcttcccc ctggcaccct cctccaagag cacctctggg

60

ggcacagcgg ccctgggctg cctggtcaag gactacttcc ccgaaccggt gacggtgtcg

120

1259376\_1.TXT

tggaactcag gcgccctgac cagcggcgtg cacaccttcc cggtgtctct acagtctcca	180
ggactctact ccctcagcag cgtgggtgacc gtgccctcca gcagcttggg cccccagacc	240
tacatctgca acgtgaatca caagcccagc aacaccaagg tcgacaagaa agttgagccc	300
aaatcttggt aa	312

<210> 6  
 <211> 327  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 6	
aaacgtacgg tagcggcccc atctgtcttc atcttcccg ccatctgatga gcagttgaaa	60
tctggaactg cctctgttgt gtgcctgctg aataacttct atcccagaga ggccaaagta	120
cagtgggaagg tggataacgc cctccaatcg ggtaactccc aggagagtgt cacagagcag	180
gacagcaagg acagcaccta cagcctcagc agcacctga cgctgagcaa agcagactac	240
gagaaacaca aagtctacgc ctgcgaagtc acccatcagg gcctgagctc accagtaaca	300
aaaagtttta atagagggga gtgttaa	327

<210> 7  
 <211> 306  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 7	
aaaacgacac ccccatctgt ctatccactg gcccttggat ctgtgcccc aactaactcc	60
atggtgaccc tgggatgcct ggtcaagggc tatttccctg agccagtgc agtgacctgg	120
aactctggat ccctgtccag cgggtgtcac accttcccg ctgtcctgca atctgacctc	180
tacactctga gcagctcagt gactgtcccc tccagcacct ggcccagcga gaccgtcacc	240
tgcaacgttg cccacccggc cagcagcacc aagggtggaca agaaaattgt gccagggat	300
tgtaa	306

<210> 8  
 <211> 318  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 8

1259376\_1.TXT

gatgctgcac caactgtatc catcttccca ccatccagtg agcagttaac atctggaggt	60
gcctcagtcg tgtgcttctt gaacaacttc taccctaaag acatcaatgt caagtggag	120
attgatggca gtgaacgaca aaatggcgctc ctgaacagtt ggactgatca ggacagcaaa	180
gacagcacct acagcatgag cagcaccctc acgttgacca aggacgagta tgaacgacat	240
aacagctata cctgtgaggc cactcacaag acatcaactt caccattgt caaaagcttt	300
aatagagggg agtgtaa	318

<210> 9  
 <211> 111  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic

<400> 9

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys  
 1 5 10 15

Ser Thr Ser Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr  
 20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser  
 35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser  
 50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr  
 65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys  
 85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Ala Ala  
 100 105 110